



F5061D (VHF) OR F6061D (UHF) SERIES HIGH POWER UPGRADE KIT

IDAS™ 110W VHF MOBILE KIT IDAS™ 100W UHF MOBILE KIT



IDAS™
ICOM DIGITAL ADVANCED SYSTEM

"IDAS™ HPUK"

**High Powered
Mobile VHF or UHF
Upgrade Kit**

• **Components*:**

- F5061D / F6061D (Radio)
- HM-148G (Hand Mic.)
- RMK-3 (Head unit Separation Kit)
- Amplifier
- Mounting Brackets
- Cooling Fans

**Separation Cable Sold Separately*

Icom America Systems

IDAS™ HPUK Specifications

Frequency range (VHF version):	136 – 174MHz
Frequency range (UHF version):	450 – 470MHz
Number of channels:	256 channels/ 32 zones
Channel spacing:	12.5kHz
PLL channel step:	2.5kHz
Antenna impedance:	50 Ω
Operating temp. range:	–10°C to +50°C; +14°F to +122°F
Total supply current:	30A @ 13.8V, 110W
Operating voltage:	13.8 VDC, ± 10%
Duty cycle:	30% (per EIA/TIA-603C)
Cooling:	Forced air (2 thermostatically controlled cooling fans)

Operating humidity:	0% to 85% RH (Non-condensing)
Storage humidity:	0% to 95% RH (Non-condensing)

Fusing:

Main power cable	50 A
Fans	2 A
Radio	20 A
Amplifier	25 A

Dimensions:	14.25" (L) x 9.0" (W) x 5.4" (H)
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Transmitter

Max. frequency deviation:	±5.0/2.5kHz (Wide/Narrow)
Frequency error:	1.0ppm
Adjacent channel power:	70/60dB min. (Wide/Narrow)
Digital FSK Error:	5% maximum
Audio harmonic distortion:	3% typ. (40% deviation)
Modulation limiting:	70–100% of Max. deviation
Load mismatch capability:	3:1 (No oscillation or damage)
	5:1 (No damage)

Receiver

Sensitivity:	0.25µV typical (12dB SINAD)
Squelch sensitivity:	0.25µV typical
Adjacent channel selectivity:	80/75dB typ (Wide/Narrow)
Spurious response:	90dB typical
Intermodulation:	77/75dB typical (Wide/Narrow)
Hum & noise ratio:	50/45dB typical (Wide/Narrow)
Audio output power:	4W typical
External audio (D-sub):	22W typical (at 10% distortion w/ 4Ω load)
External speaker connector:	2-conductor 3.5 (d) mm (1/8")/4Ω

Options

Separation Cable:	-OPC608: 8m/26.2ft.
	-OPC726: 5m/16.4ft.
	-OPC607: 3m/9.8ft.
	-OPC609: 1.9m/6.2ft.
External Speakers:	-SP-22
	-SP-30
	-SP-35

All specifications are subject to change without notice or obligation.

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12421 Willows Road NE
 Kirkland WA 98034
www.icomamerica.com
ias@icomamerica.com

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